

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122320\
 Data File : VX020332.D
 Acq On : 23 Dec 2020 12:47
 Operator : JC/MD
 Sample : L5124-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20201211

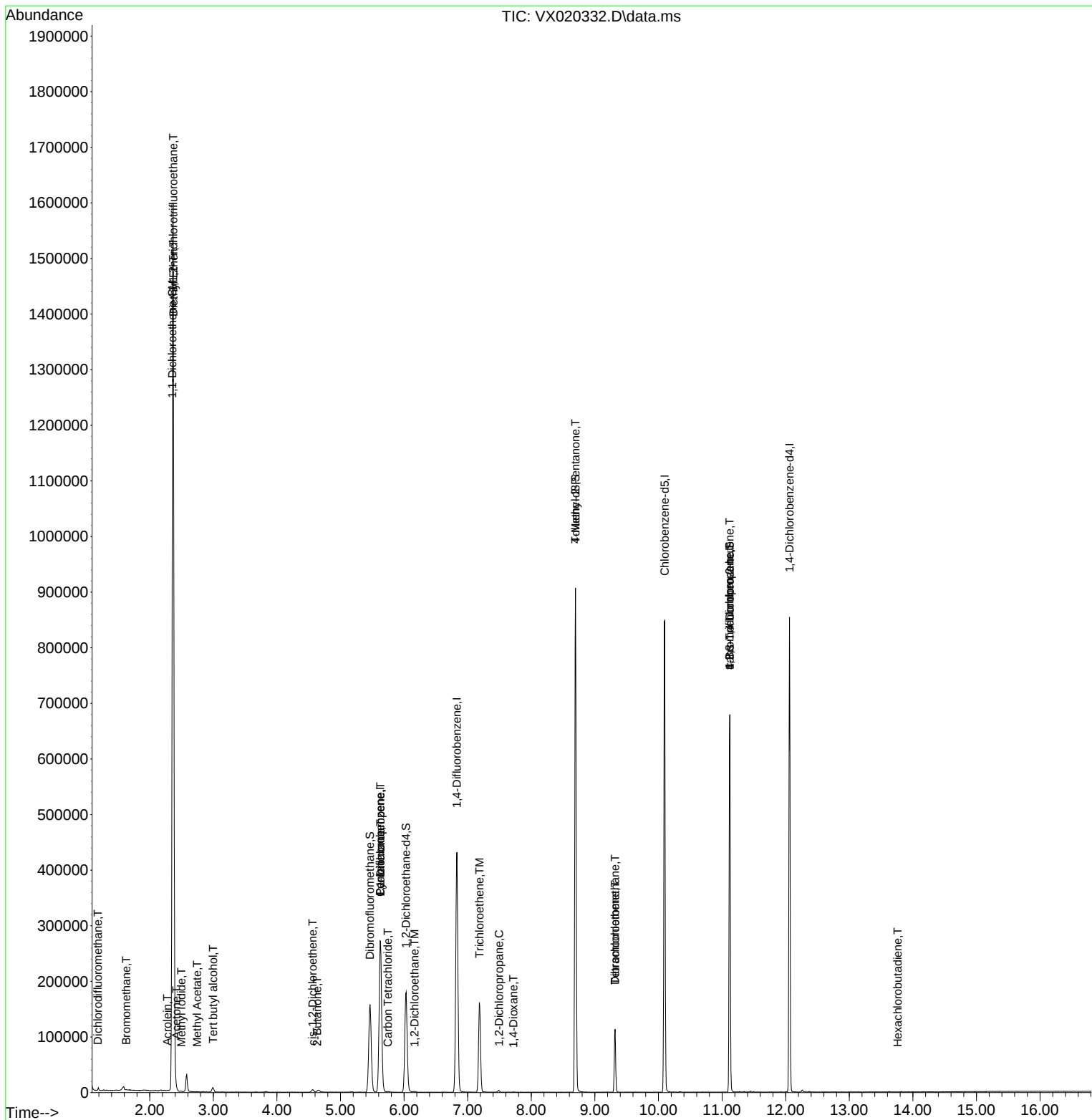
Quant Time: Dec 24 00:15:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

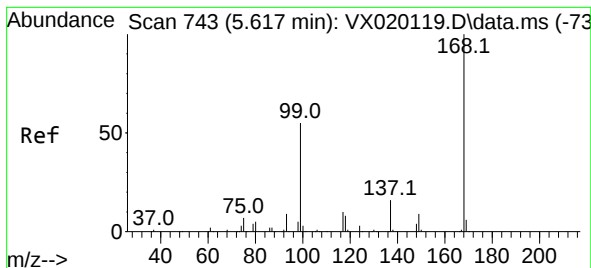
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.623	168	256629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	433914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	404212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	172837	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	171585	49.88	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.76%		
35) Dibromofluoromethane	5.464	113	137493	49.53	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.06%		
50) Toluene-d8	8.695	98	528078	49.42	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.84%		
62) 4-Bromofluorobenzene	11.122	95	187617	45.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.76%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	618	0.22	ug/l	90
5) Bromomethane	1.630	94	579	0.51	ug/l	84
8) Diethyl Ether	2.373	74	579	0.29	ug/l #	12
9) 1,1,2-Trichlorotrifluo...	2.367	101	666484	260.14	ug/l	99
10) Methyl Iodide	2.495	142	836	3.51	ug/l	93
11) Tert butyl alcohol	2.995	59	5053	6.56	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	4989	1.90	ug/l #	88
13) Acrolein	2.276	56	121	0.25	ug/l #	29
16) Acetone	2.416	43	2705	1.72	ug/l	89
18) Methyl Acetate	2.745	43	792	0.23	ug/l #	69
25) 2-Butanone	4.635	43	522	0.23	ug/l #	45
27) cis-1,2-Dichloroethene	4.562	96	2779	0.77	ug/l	96
31) Cyclohexane	5.629	56	5230	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	20622	4.81	ug/l #	48
38) Carbon Tetrachloride	5.745	117	853	0.21	ug/l #	72
42) 1,2-Dichloroethane	6.165	62	1138	0.25	ug/l #	73
44) Trichloroethene	7.184	130	62292	18.05	ug/l	97
45) 1,2-Dichloropropane	7.494	63	1400	0.41	ug/l #	83
49) 1,4-Dioxane	7.720	88	466	5.77	ug/l #	89
51) 4-Methyl-2-Pentanone	8.695	43	2190	0.50	ug/l #	1
60) Dibromochloromethane	9.317	129	21480	6.44	ug/l #	11
64) Tetrachloroethene	9.317	164	21894	7.19	ug/l	94
76) 1,2,3-Trichloropropane	11.122	75	91692	21.54	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	91692	63.90	ug/l #	12
94) Hexachlorobutadiene	13.762	225	109	2.71	ug/l #	37

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 24 00:15:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.623 min Scan# 744

Delta R.T. 0.006 min

Lab File: VX020332.D

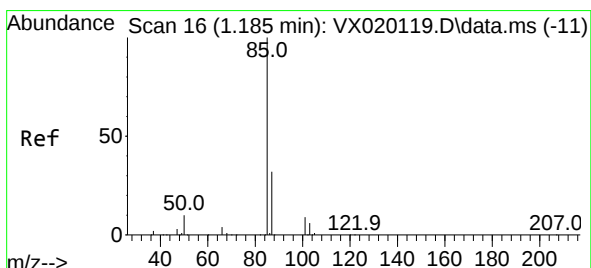
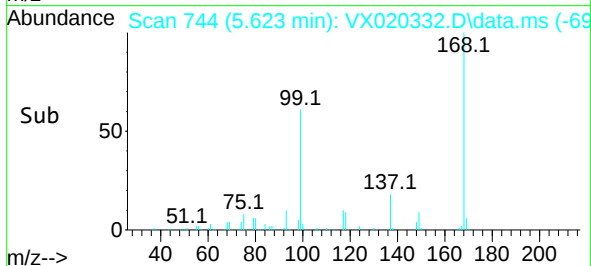
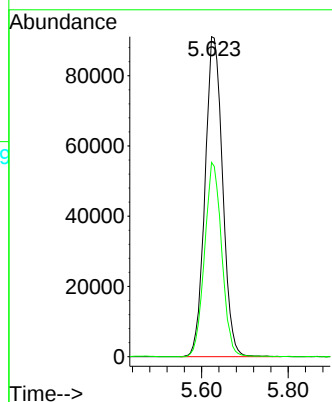
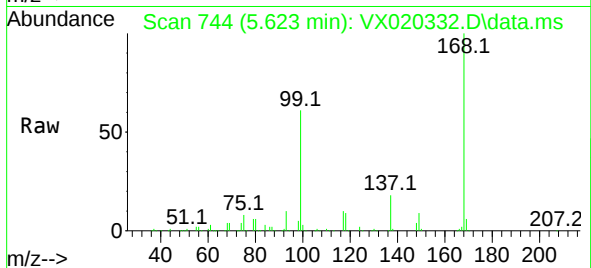
Acq: 23 Dec 2020 12:47

Tgt Ion:168 Resp: 256629

Ion Ratio Lower Upper

168 100

99 60.7 45.8 68.6



#2

Dichlorodifluoromethane

Concen: 0.22 ug/l

RT: 1.185 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX020332.D

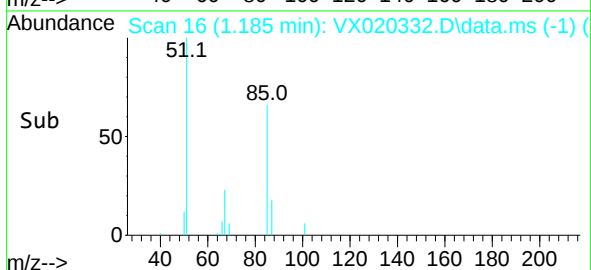
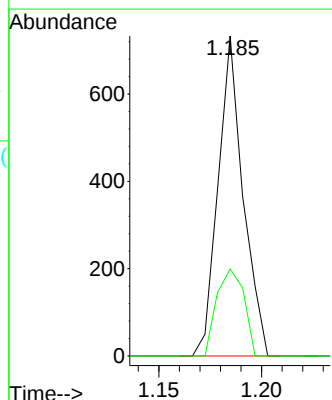
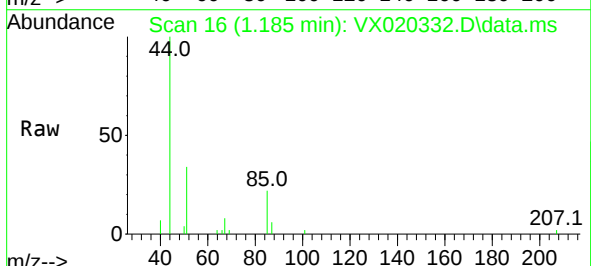
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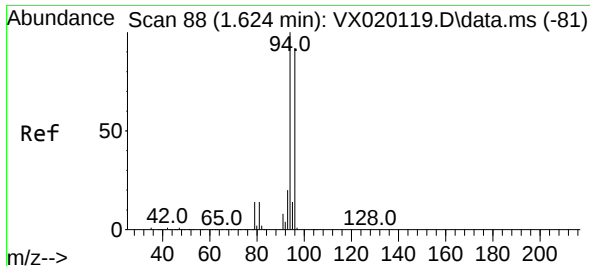
Tgt Ion: 85 Resp: 618

Ion Ratio Lower Upper

85 100

87 27.1 16.4 49.2

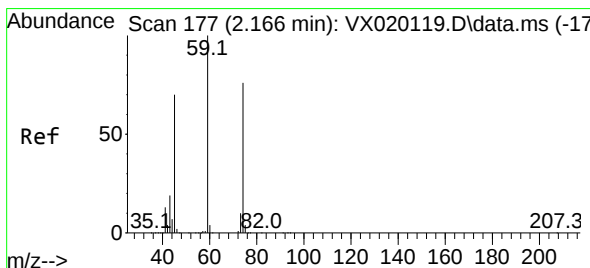
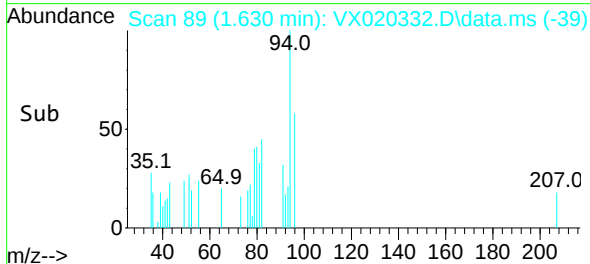
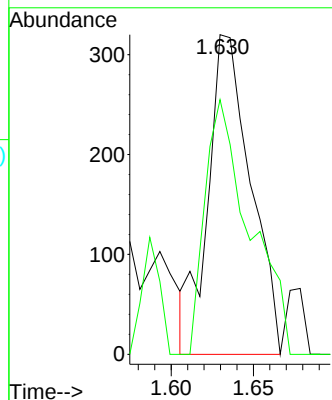
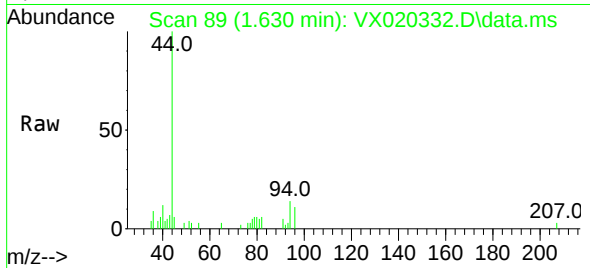




#5
Bromomethane
Concen: 0.51 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

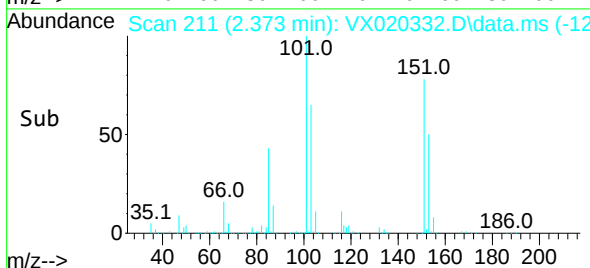
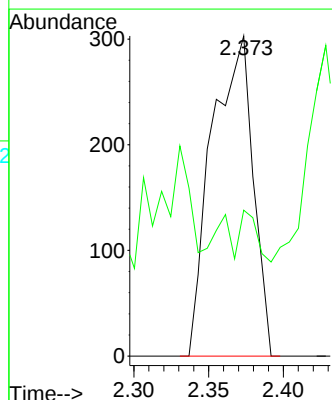
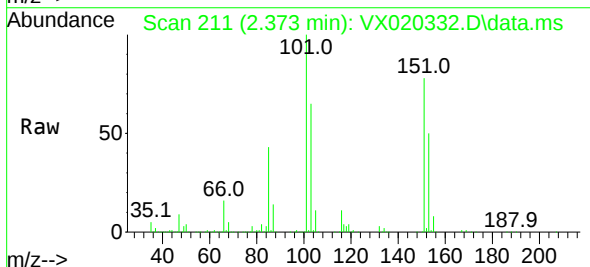
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

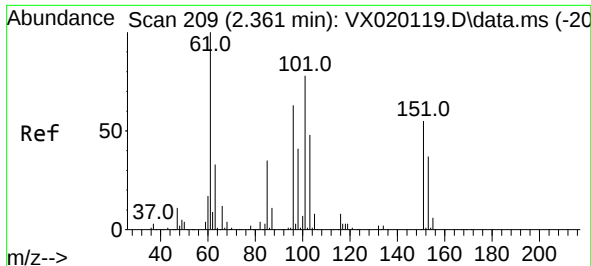
Tgt Ion: 94 Resp: 579
Ion Ratio Lower Upper
94 100
96 79.7 76.4 114.6



#8
Diethyl Ether
Concen: 0.29 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.207 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 74 Resp: 579
Ion Ratio Lower Upper
74 100
45 6.2 44.5 133.5#

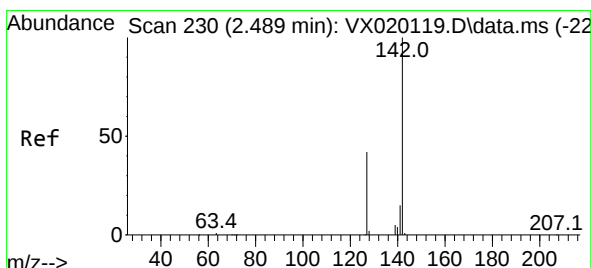
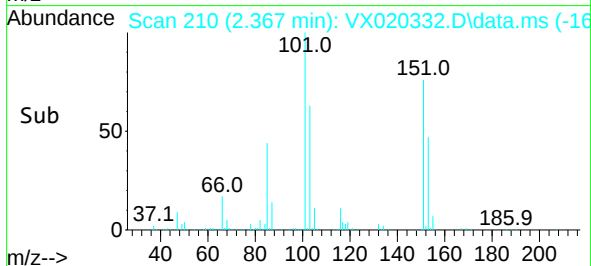
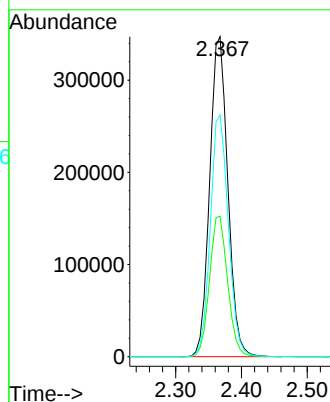
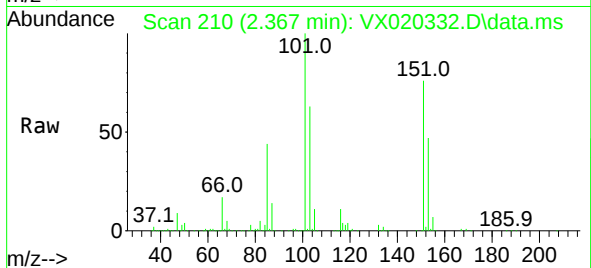




#9
1,1,2-Trichlorotrifluoroethane
Concen: 260.14 ug/l
RT: 2.367 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

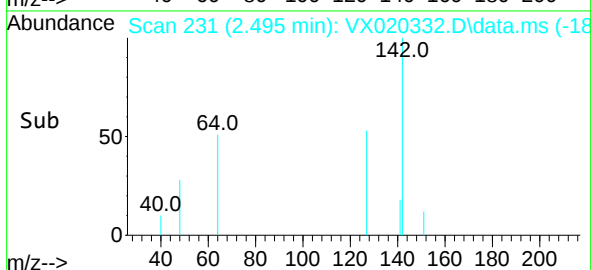
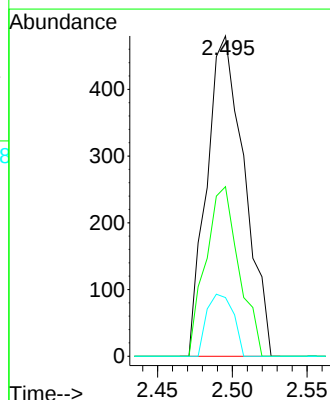
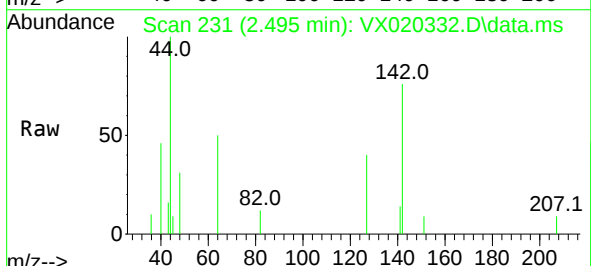
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

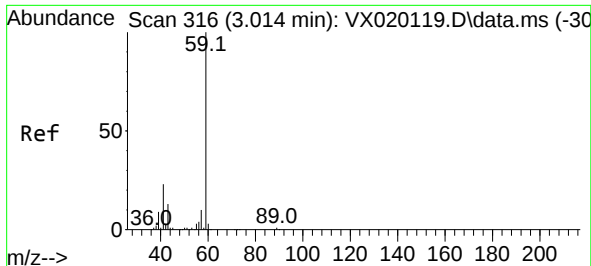
Tgt Ion:101 Resp: 666484
Ion Ratio Lower Upper
101 100
85 43.8 34.9 52.3
151 75.2 61.4 92.2



#10
Methyl Iodide
Concen: 3.51 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

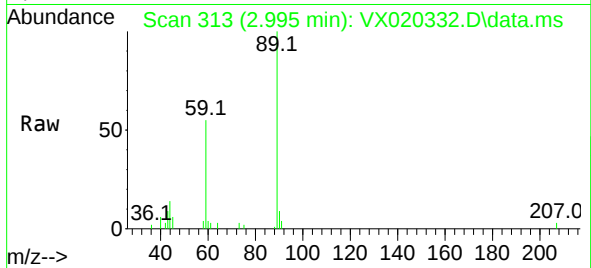
Tgt Ion:142 Resp: 836
Ion Ratio Lower Upper
142 100
127 47.0 33.3 49.9
141 13.8 11.4 17.0



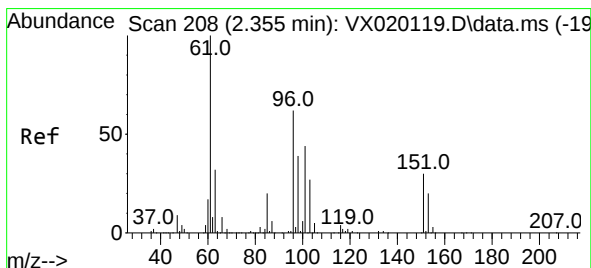
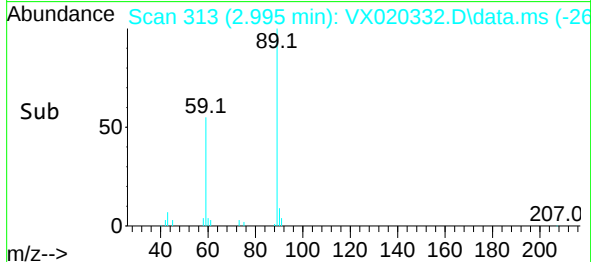
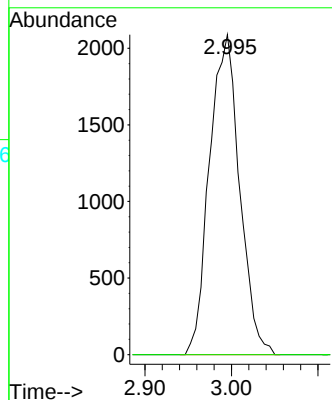


#11
Tert butyl alcohol
Concen: 6.56 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

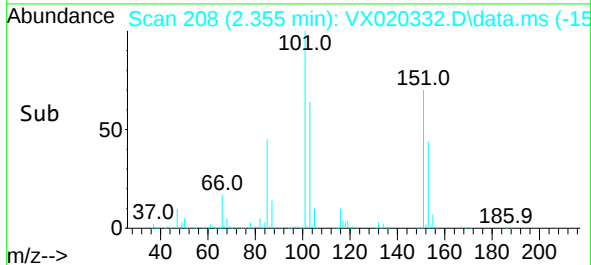
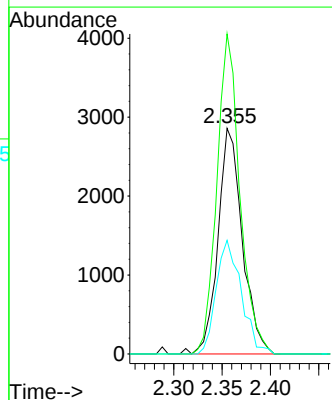
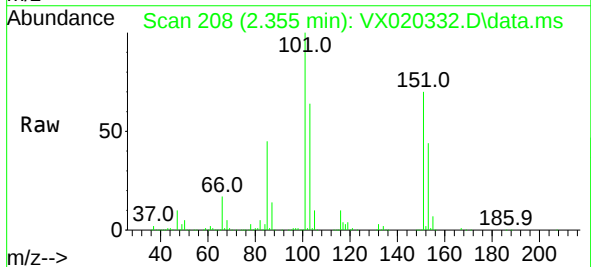


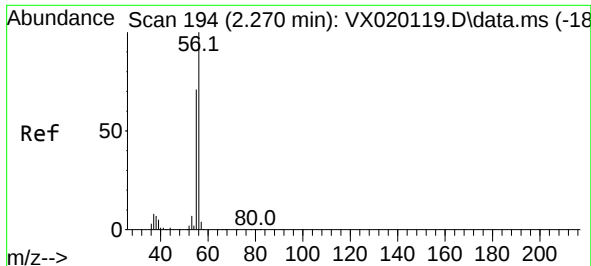
Tgt Ion: 59 Resp: 5053
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.90 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 96 Resp: 4989
Ion Ratio Lower Upper
96 100
61 141.8 124.6 187.0
98 50.3 50.6 76.0#

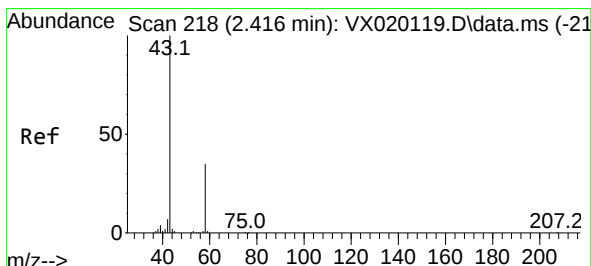
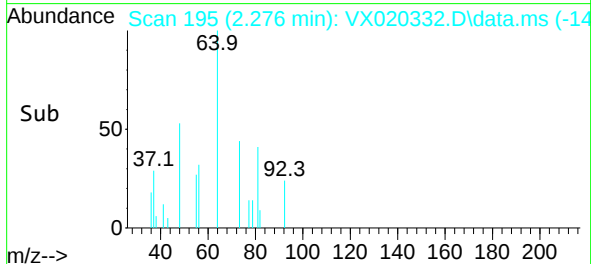
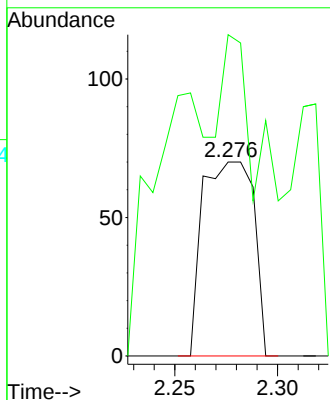
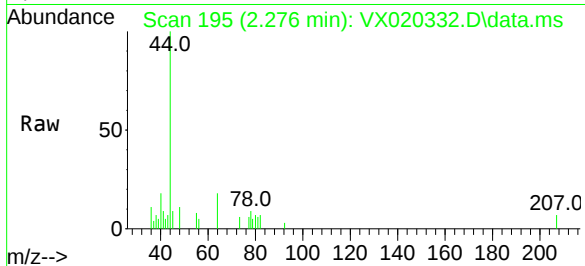




#13
Acrolein
Concen: 0.25 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

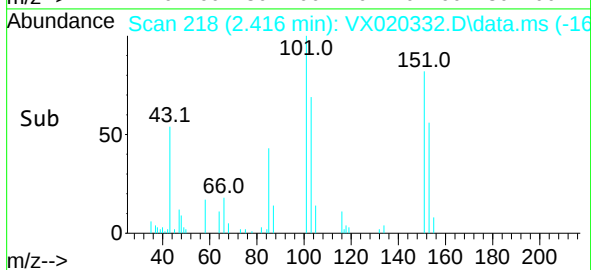
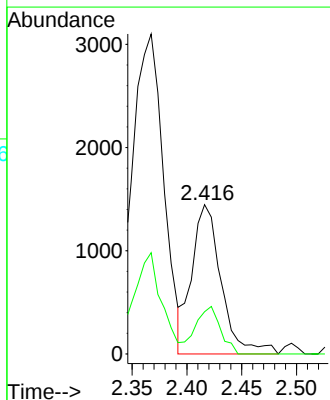
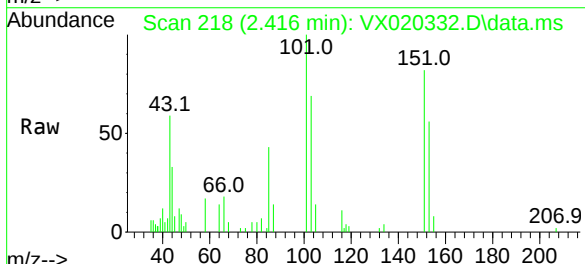
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ClientSampleId :
RE131D3-20201211

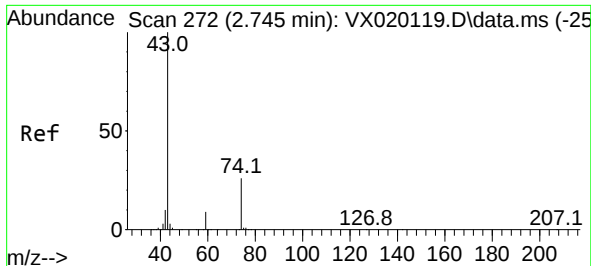
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 128.9 56.4 84.6#



#16
Acetone
Concen: 1.72 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 43 Resp: 2705
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8





#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.745 min Scan# 272

Delta R.T. 0.000 min

Lab File: VX020332.D

Acq: 23 Dec 2020 12:47

Instrument :

MSVOA_X

ClientSampleId :

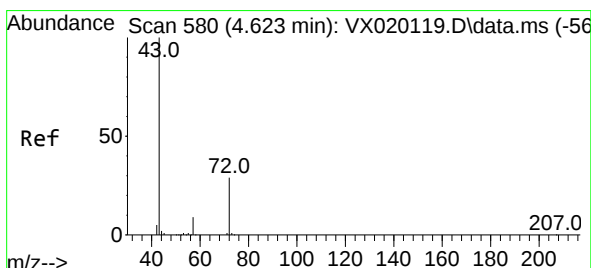
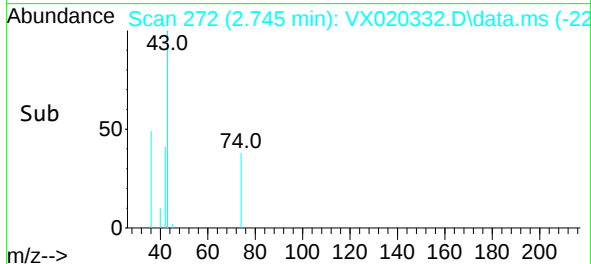
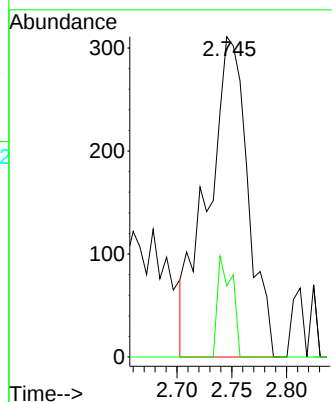
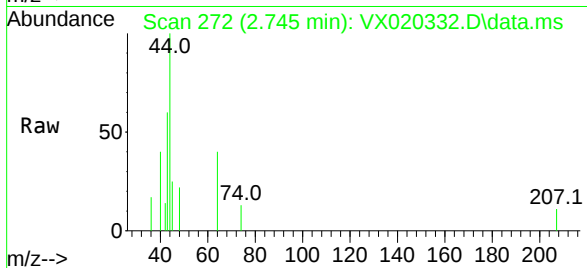
RE131D3-20201211

Tgt Ion: 43 Resp: 792

Ion Ratio Lower Upper

43 100

74 11.4 21.9 32.9#



#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.635 min Scan# 582

Delta R.T. 0.012 min

Lab File: VX020332.D

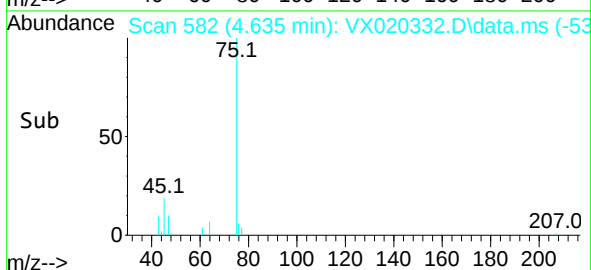
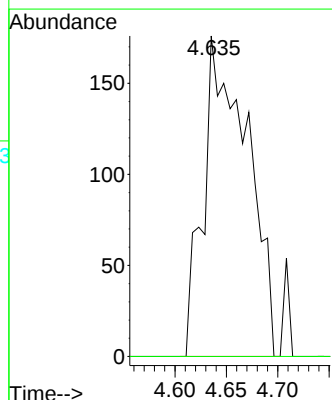
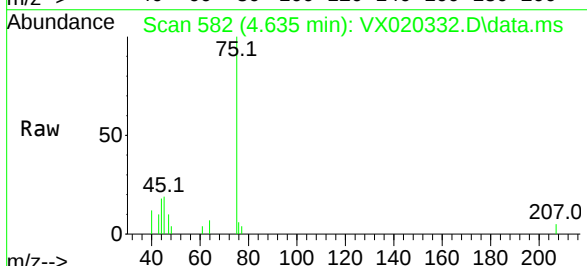
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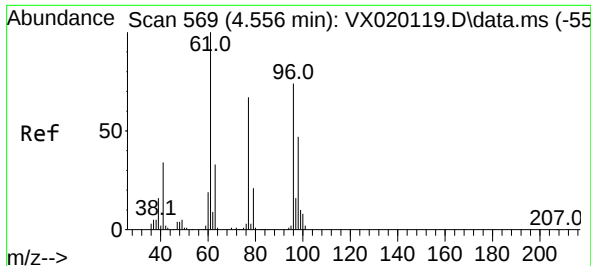
Tgt Ion: 43 Resp: 522

Ion Ratio Lower Upper

43 100

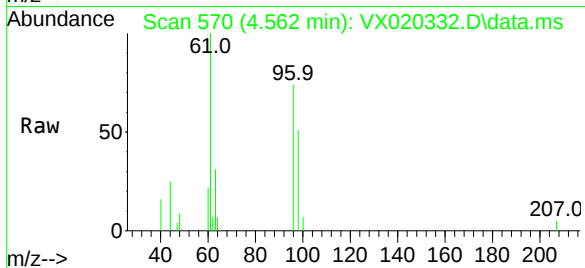
72 0.0 23.7 35.5#



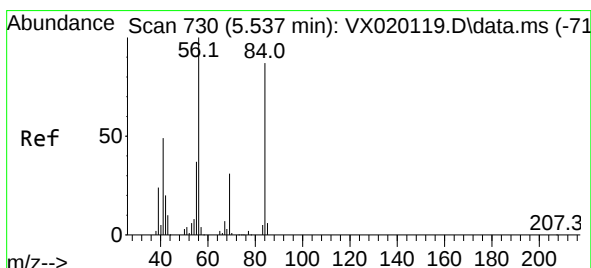
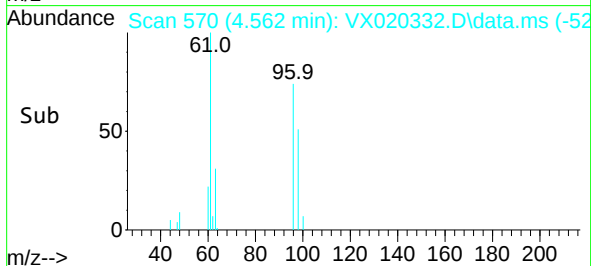
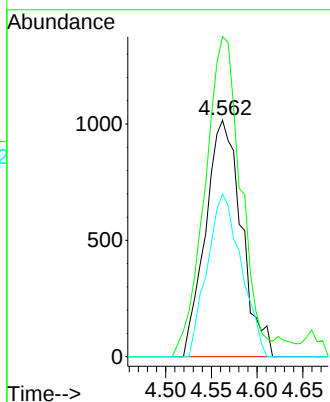


#27
 cis-1,2-Dichloroethene
 Concen: 0.77 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VX020332.D
 Acq: 23 Dec 2020 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20201211

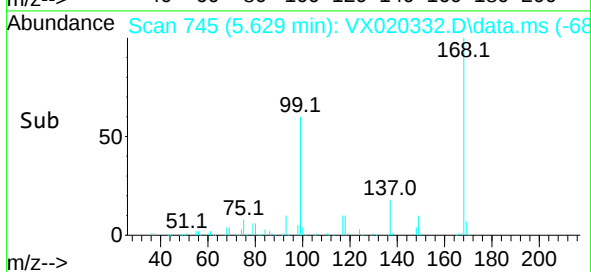
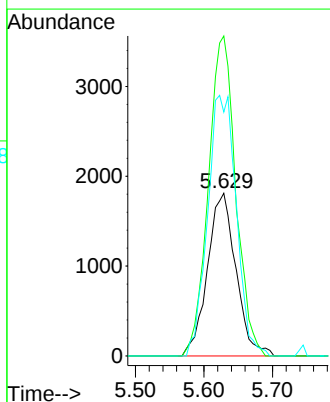
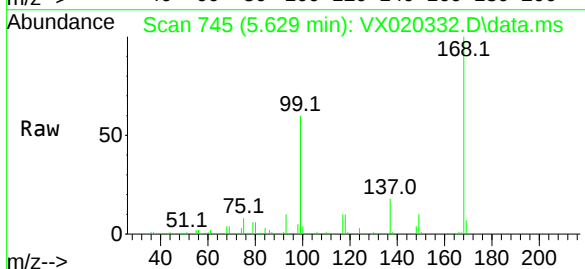


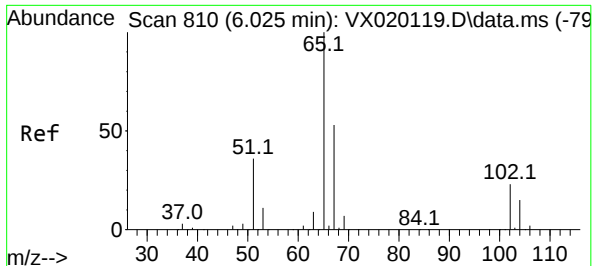
Tgt Ion:	96	Resp:	2779
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	285.6
98	64.9	0.0	129.6



#31
 Cyclohexane
 Concen: 1.10 ug/l
 RT: 5.629 min Scan# 745
 Delta R.T. 0.092 min
 Lab File: VX020332.D
 Acq: 23 Dec 2020 12:47

Tgt Ion:	56	Resp:	5230
Ion	Ratio	Lower	Upper
56	100		
69	196.7	25.3	37.9#
84	149.9	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.88 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020332.D

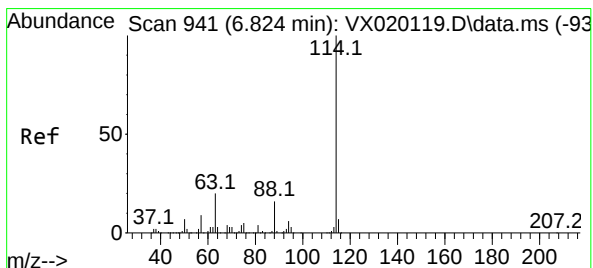
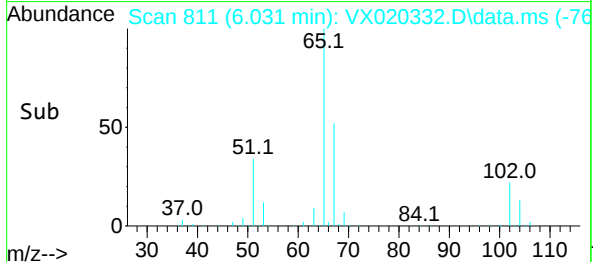
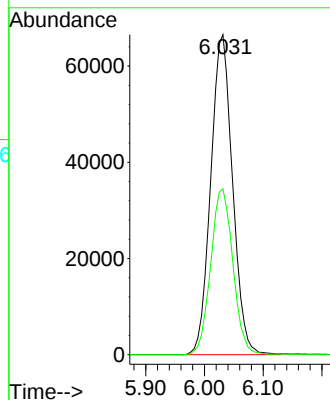
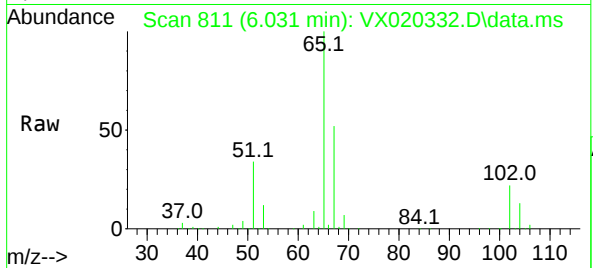
Acq: 23 Dec 2020 12:47

Tgt Ion: 65 Resp: 171585

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020332.D

Acq: 23 Dec 2020 12:47

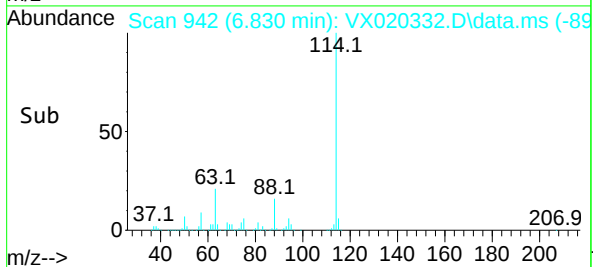
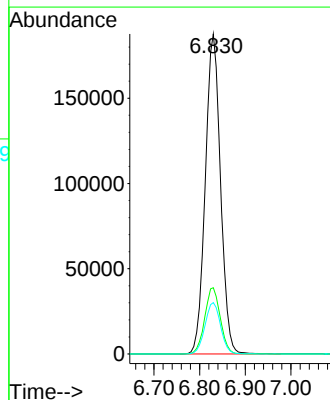
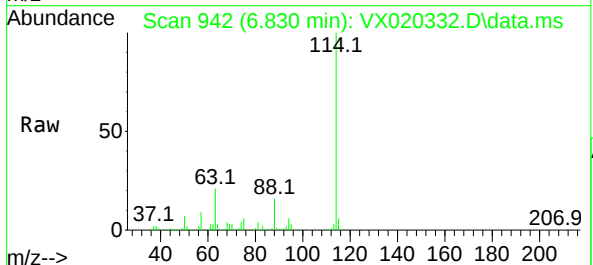
Tgt Ion: 114 Resp: 433914

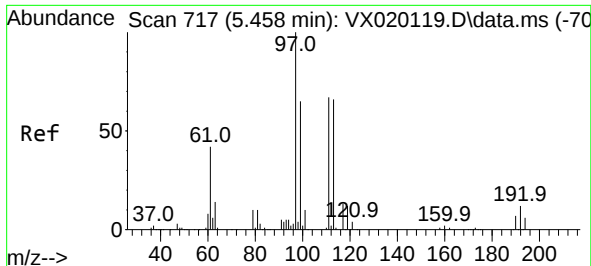
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

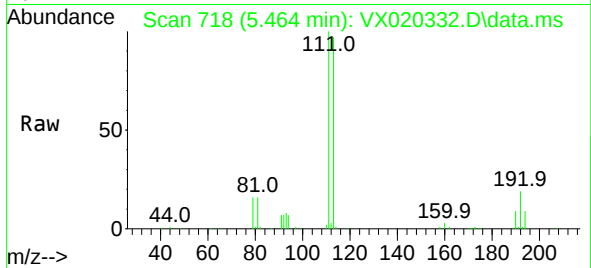
88 16.1 0.0 32.8



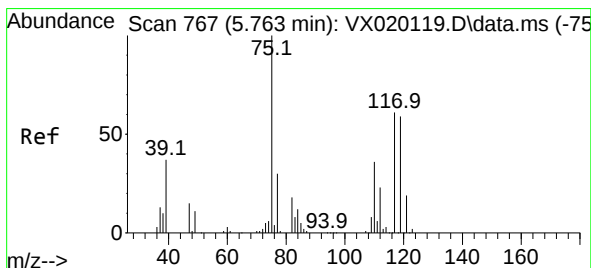
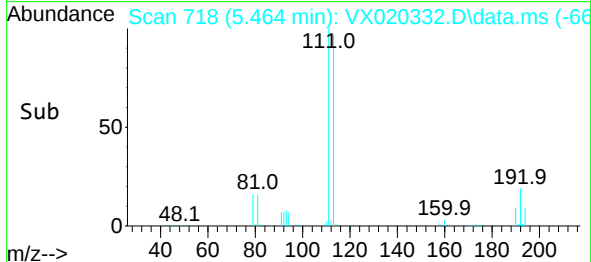
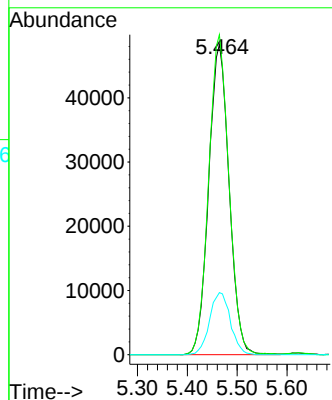


#35
Dibromofluoromethane
Concen: 49.53 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

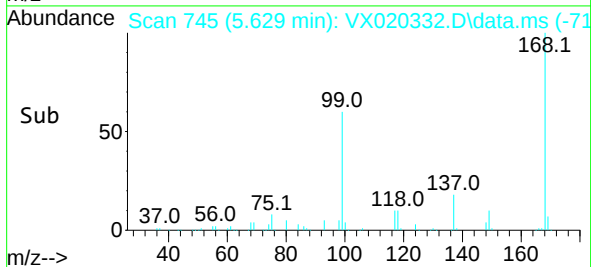
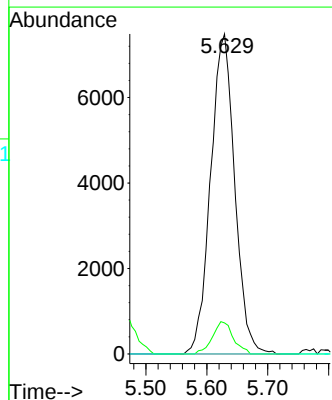
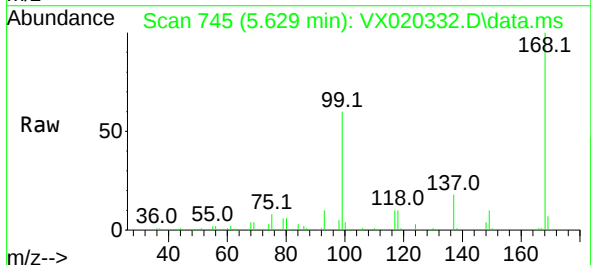


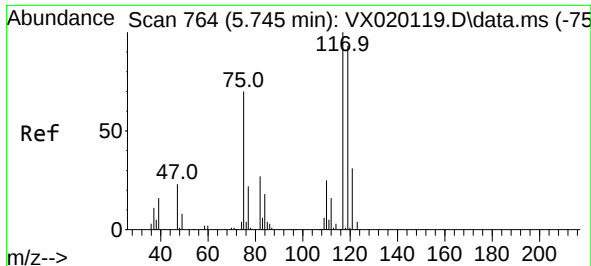
Tgt Ion:113 Resp: 137493
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 75 Resp: 20622
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

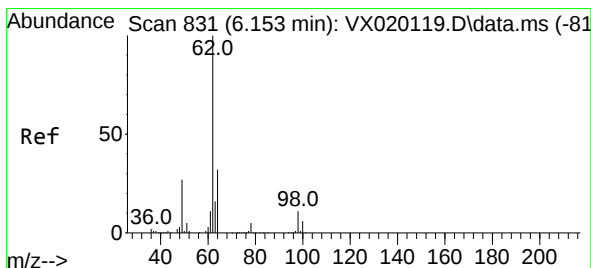
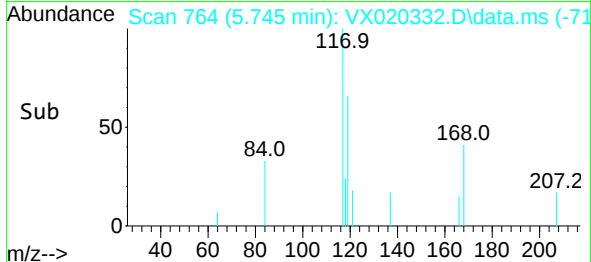
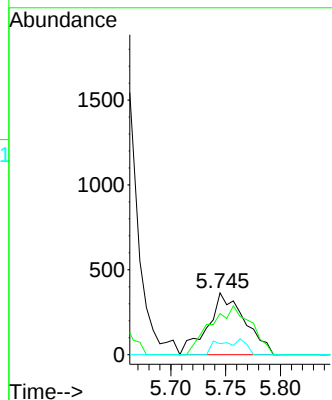
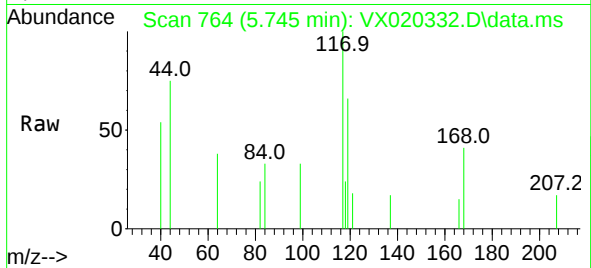




#38
Carbon Tetrachloride
Concen: 0.21 ug/l
RT: 5.745 min Scan# 764
Delta R.T. -0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

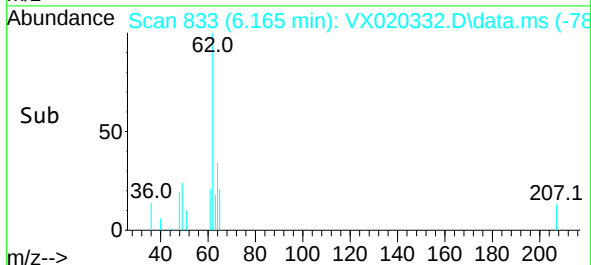
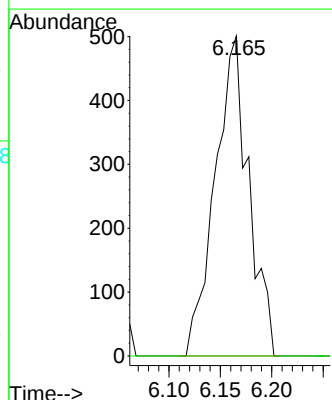
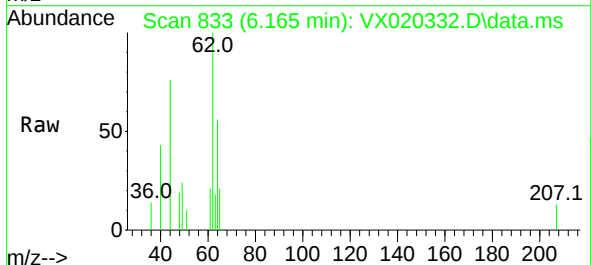
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

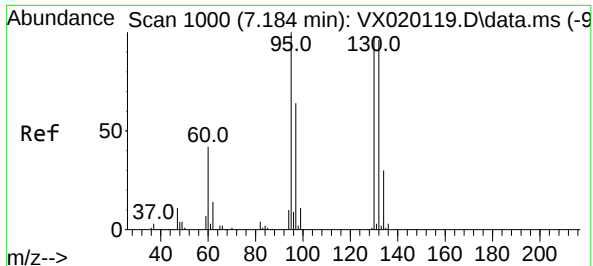
Tgt Ion: 117 Resp: 853
Ion Ratio Lower Upper
117 100
119 66.5 76.2 114.2#
121 17.9 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.25 ug/l
RT: 6.165 min Scan# 833
Delta R.T. 0.012 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 62 Resp: 1138
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

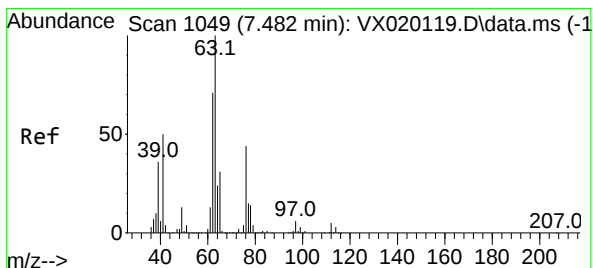
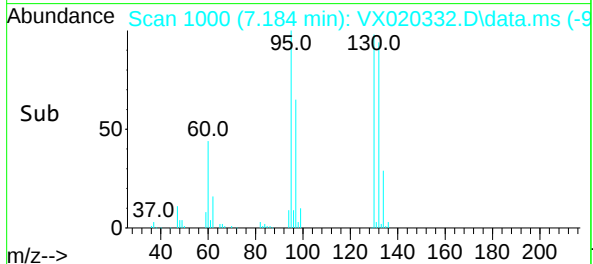
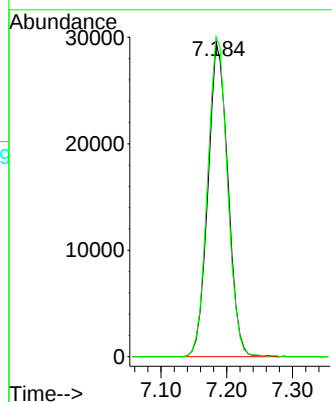
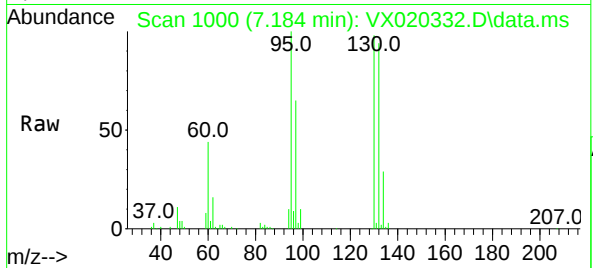




#44
Trichloroethene
Concen: 18.05 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

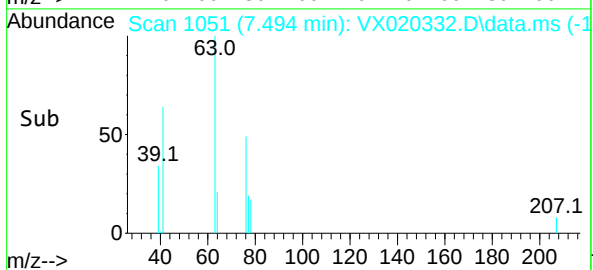
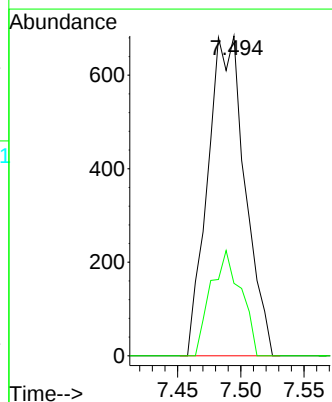
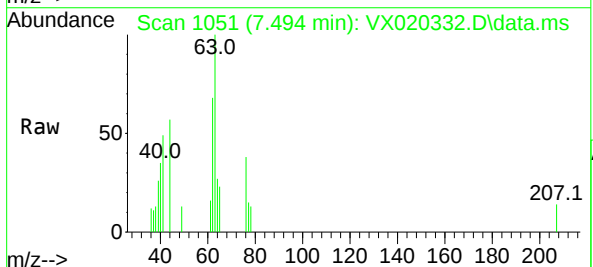
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

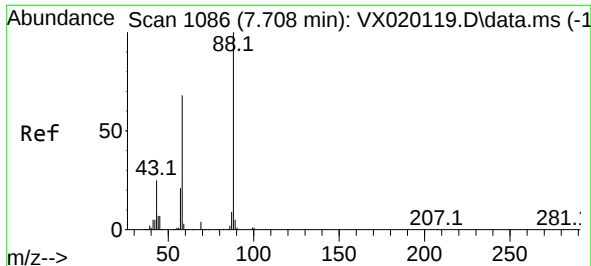
Tgt Ion:130 Resp: 62292
Ion Ratio Lower Upper
130 100
95 101.6 0.0 198.0



#45
1,2-Dichloropropane
Concen: 0.41 ug/l
RT: 7.494 min Scan# 1051
Delta R.T. 0.012 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 63 Resp: 1400
Ion Ratio Lower Upper
63 100
65 22.7 25.7 38.5#

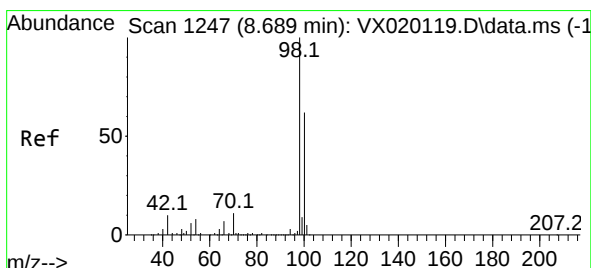
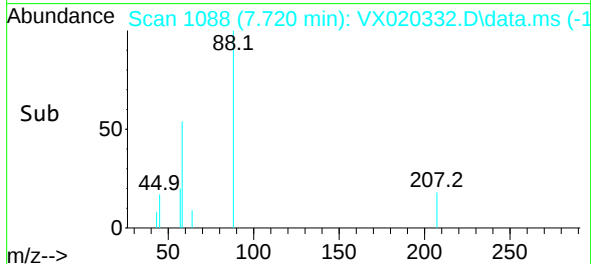
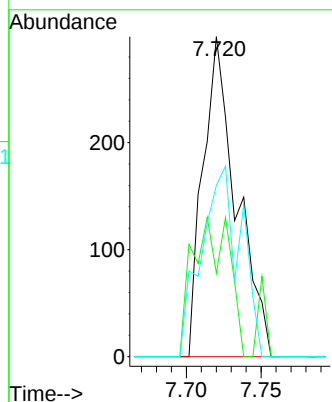
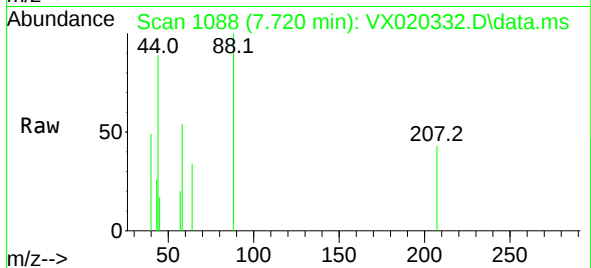




#49
1,4-Dioxane
Concen: 5.77 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

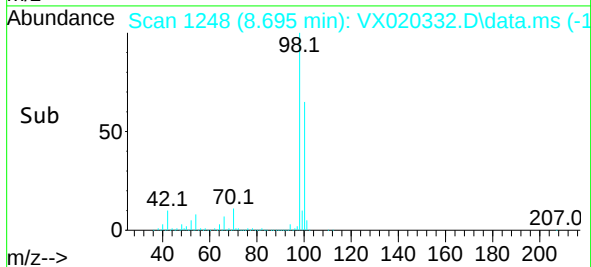
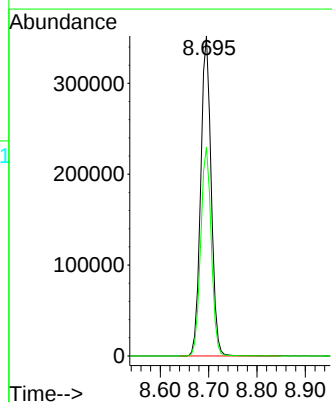
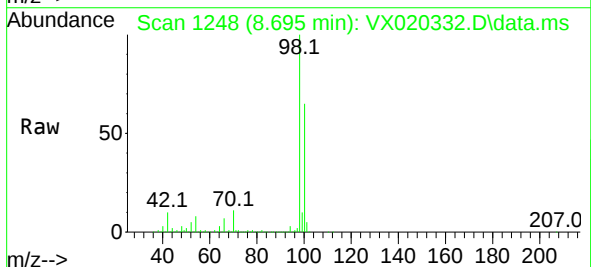
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

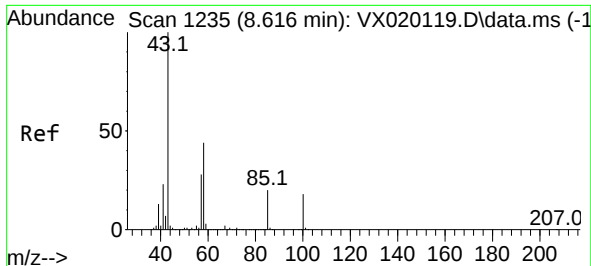
Tgt Ion: 88 Resp: 466
Ion Ratio Lower Upper
88 100
43 47.0 23.2 34.8#
58 69.5 55.0 82.4



#50
Toluene-d8
Concen: 49.42 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 98 Resp: 528078
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

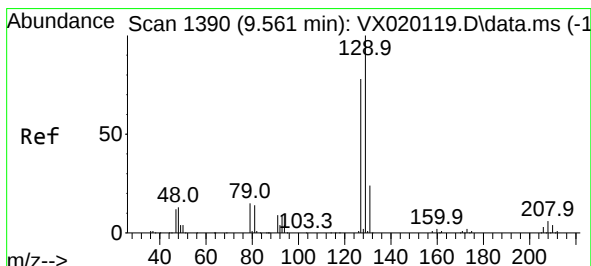
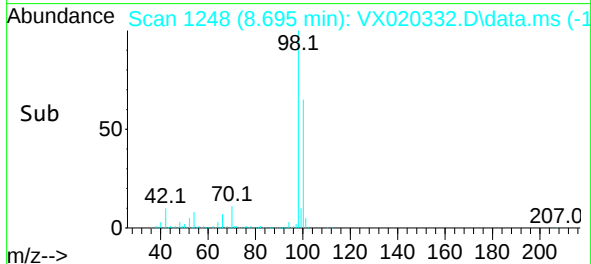
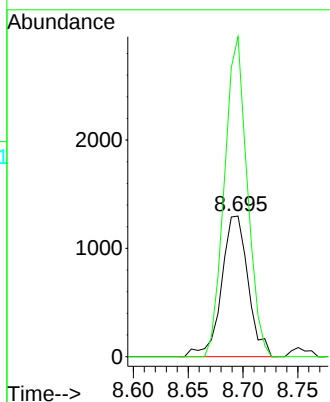
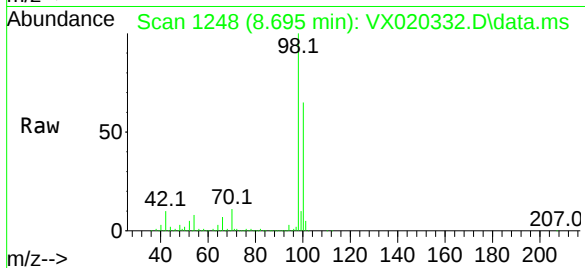




#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.079 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

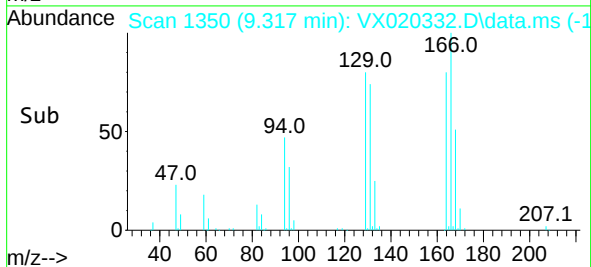
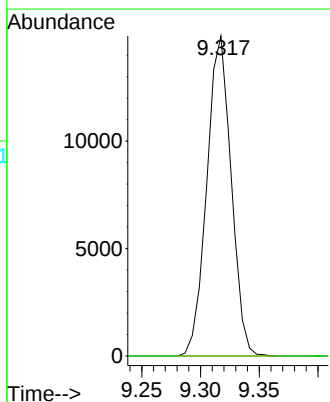
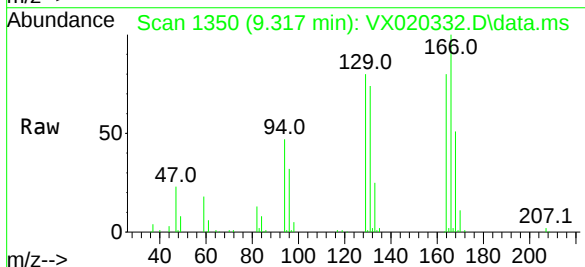
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

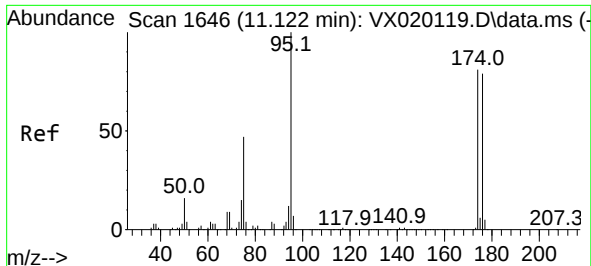
Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
58 195.3 35.4 53.0#



#60
Dibromochloromethane
Concen: 6.44 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. -0.244 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 129 Resp: 21480
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

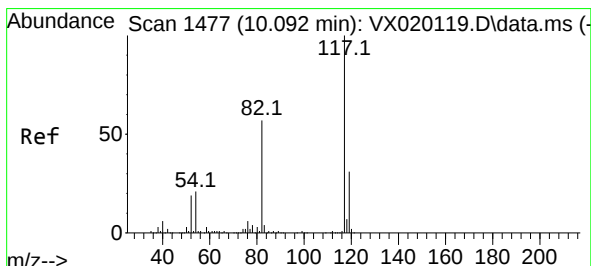
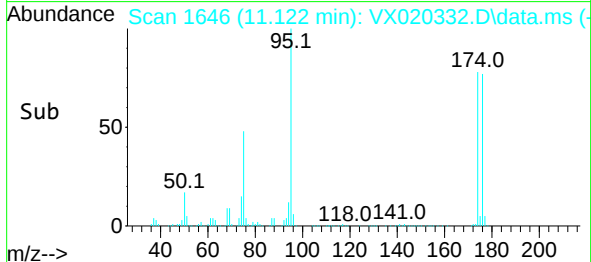
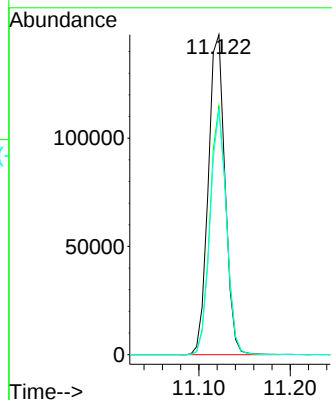
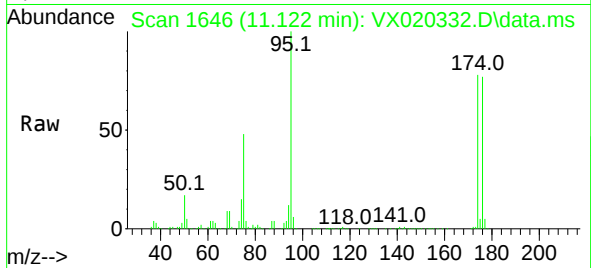




#62
4-Bromofluorobenzene
Concen: 45.88 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

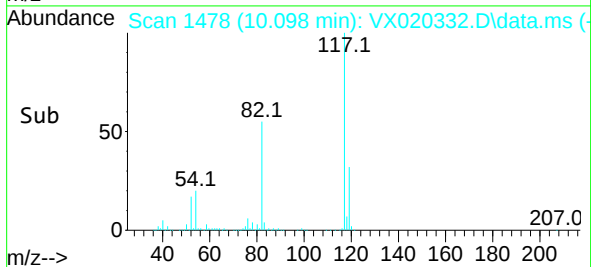
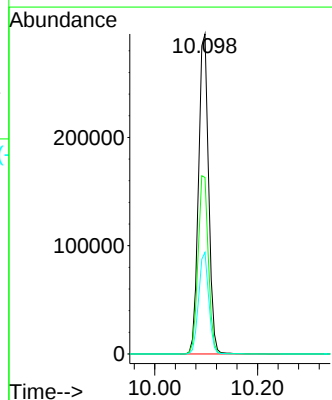
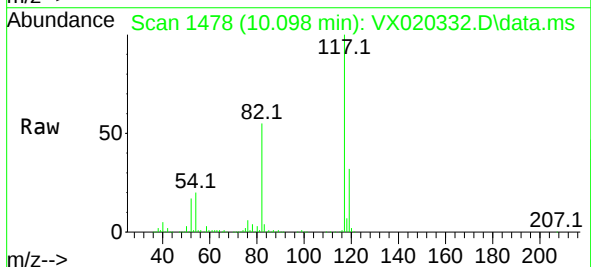
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

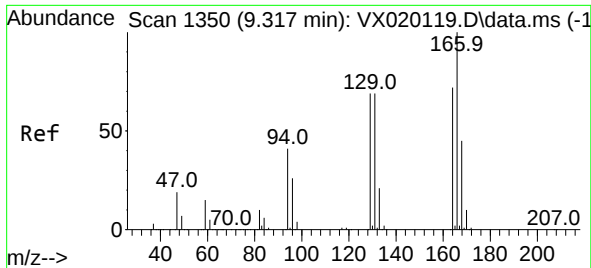
Tgt Ion: 95 Resp: 187617
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 74.7 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 117 Resp: 404212
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 31.8 26.6 39.8



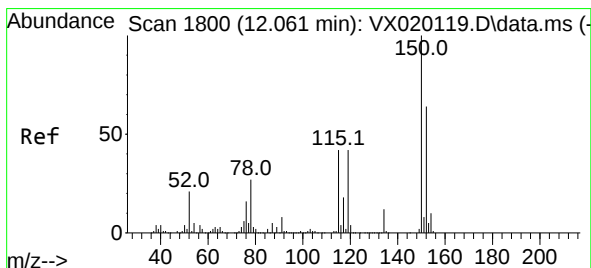
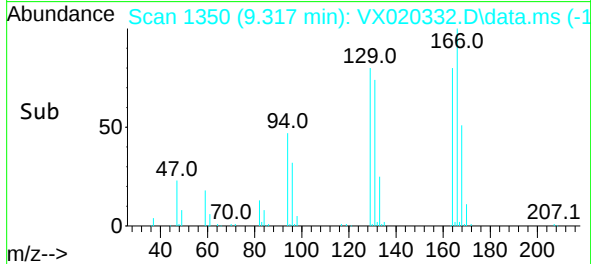
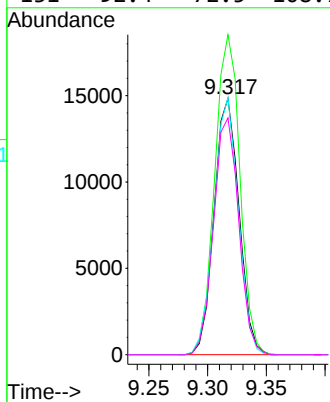
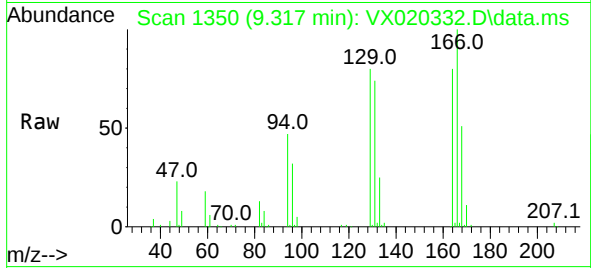


#64
Tetrachloroethene
Concen: 7.19 ug/l
RT: 9.317 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

Tgt Ion:164 Resp: 21894

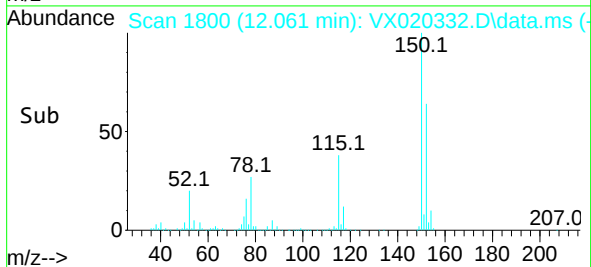
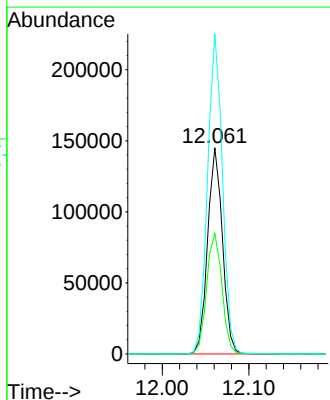
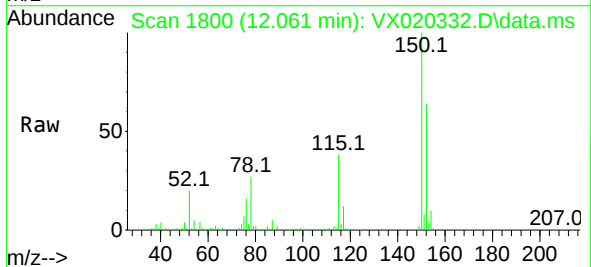
Ion	Ratio	Lower	Upper
164	100		
166	124.9	103.4	155.2
129	100.4	70.8	106.2
131	92.4	72.5	108.7

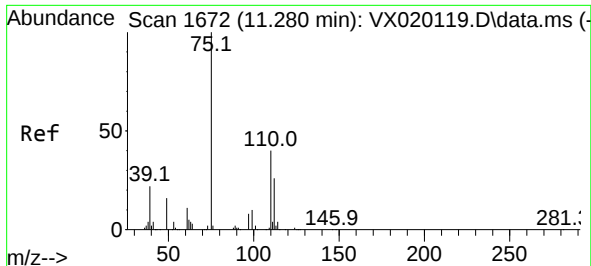


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion:152 Resp: 172837

Ion	Ratio	Lower	Upper
152	100		
115	60.3	41.1	123.3
150	155.7	0.0	349.0

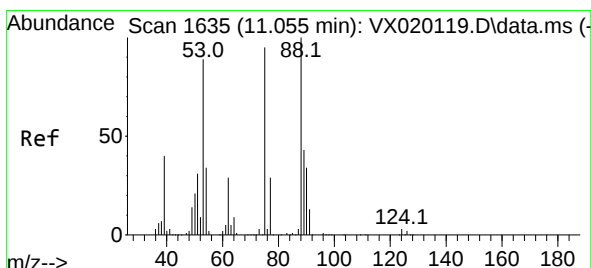
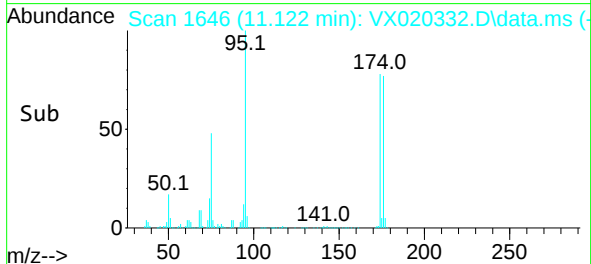
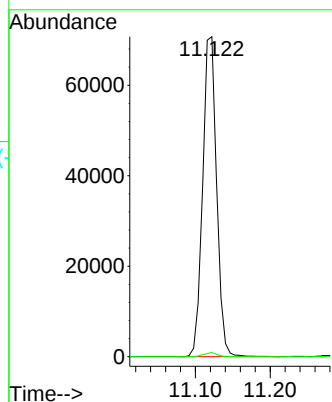
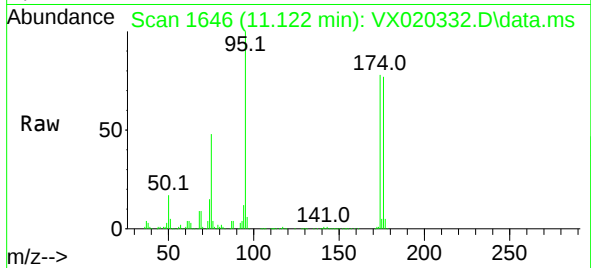




#76
1,2,3-Trichloropropane
Concen: 21.54 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

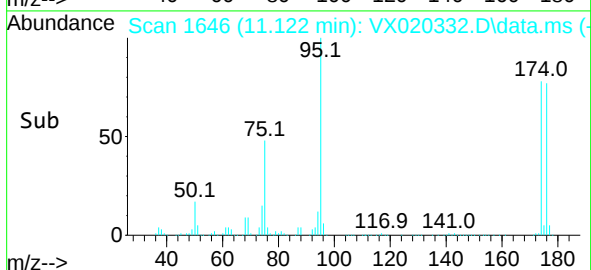
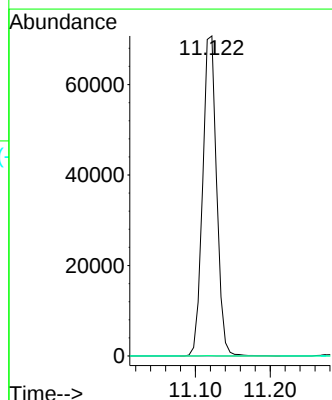
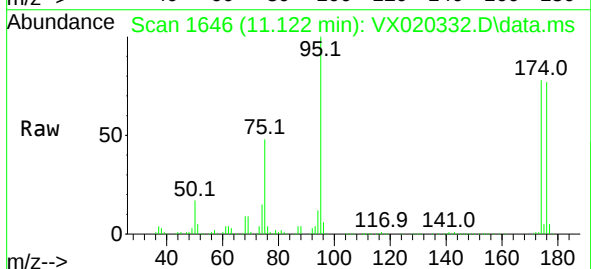
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20201211

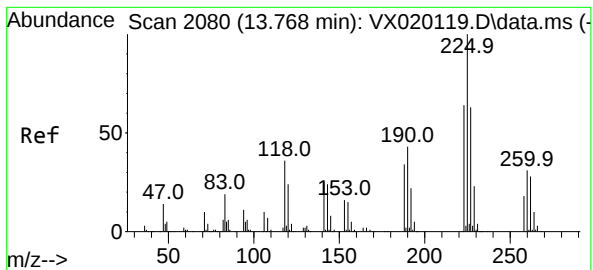
Tgt Ion: 75 Resp: 91692
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.90 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020332.D
Acq: 23 Dec 2020 12:47

Tgt Ion: 75 Resp: 91692
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.71 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020332.D
 Acq: 23 Dec 2020 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20201211

Tgt Ion:225 Resp: 109
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 27.5 31.6 95.0#

